The drive Mechanism of Optical Scanner

ABSTRACT

A drive mechanism of optical scanner, includes an image pick-up device, a delivery device, a first motor and a second motor, the said image pick-up device can move back and forth in the scan path provided by optical scanner so as to perform image scan. The said delivery device consists of a actuating wheel, a passive wheel and a circular conveyor belt; the circular conveyor belt is harnessed on two rotating wheels and is connected to image pick-up device. The above-mentioned two motors provide rotational power of different rotational speed (torque) to propel the delivery device and rotate, so the image pick-up device is led into the scan path and scans back and forth. Then the scope of scan speed is enlarged to fit in with the required scan speed of the scanner under various resolutions.

09745572 .122200